



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Tracy A. Willson, et al.

Examiner: Unassigned

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Docket: 11373Z

For: A NOVEL HAEMOPOIETIN RECEPTOR
AND GENETIC SEQUENCES ENCODING
SAME

Date: July 7, 2003

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Commissioner for Patents
P.O. Box 1450
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STATEMENT UNDER 37 C.F.R. § 1.821(f)

Sir:

I hereby state that the content of the substitute paper and substitute computer readable copies of the Sequence Listing submitted in accordance with 37 C.F.R. §1.821 (c) and (e), respectively, are the same. No new matter has been added.

Respectfully submitted,

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

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Dated: July 7, 2003

Peter I. Bernstein



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SEQUENCE LISTING

<110> Willson, Tracey
Nicola , Nicos
Hilton, Douglas
Metcalf, Donald
Zhang , Jian

<120> A novel haemopoietin receptor and genetic sequences encoding same

<130> 11373Z

<140> US 10/036,568

<141> 1998-06-29

<150> AU PN6135

<151> 1995-10-23

<150> AU PN7276

<151> 1995-12-22

<150> AU PP2208

<151> 1996-09-09

<160> 12

<170> PatentIn version 3.1

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<222> (61)..(1332)

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acc gcc acc gtg ggc caa gtt gcc gcg gcc aca gaa gtt cag cca cct 156
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B8

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| cat cgt aaa gag gaa tta ccc ctg gat gag aaa atc tgt ctg cag gtg His Arg Lys Glu Glu Leu Pro Leu Asp Glu Lys Ile Cys Leu Gln Val 85 90 95 | 348 |
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| aaa aag tgc atc tca ccc cct gaa ggt gat cct gag tcc gct gtg act Lys Lys Cys Ile Ser Pro Pro Glu Gly Asp Pro Glu Ser Ala Val Thr 115 120 125 | 444 |
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| aaa att agg cca tcc tgc aaa ata gtg tct tta act tcc tat gtg aaa Lys Ile Arg Pro Ser Cys Lys Ile Val Ser Leu Thr Ser Tyr Val Lys 210 215 220 | 732 |
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Asn Lys Leu Trp Ser Asp Trp Ser Glu Ala Gln Ser Ile Gly Lys Glu
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caa aac tcc acc ttc tac acc acc atg tta ctc acc att cca gtc ttt 1116
Gln Asn Ser Thr Phe Tyr Thr Thr Met Leu Leu Thr Ile Pro Val Phe
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atc att ata ttt cct cca att cct gat cct ggc aag att ttt aaa gaa 1212
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370 375 380

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Ile Tyr Glu Lys Gln Ser Lys Glu Glu Thr Asp Ser Val Val Leu Ile
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Glu Asn Leu Lys Lys Ala Ala Pro
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Gly Ser Gln Cys Ser Ala Asn Glu Ser Glu Lys Pro Ser Pro Leu Val
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B8
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Tyr Thr Val Arg Val Arg Val Lys Thr Asn Lys Leu Cys Phe Asp Asp
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Asn Lys Leu Trp Ser Asp Trp Ser Glu Ala Gln Ser Ile Gly Lys Glu
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Gln Asn Ser Thr Phe Tyr Thr Thr Met Leu Leu Thr Ile Pro Val Phe
340 345 350

Val Ala Val Ala Val Ile Ile Leu Leu Phe Tyr Leu Lys Arg Leu Lys
355 360 365

Ile Ile Ile Phe Pro Pro Ile Pro Asp Pro Gly Lys Ile Phe Lys Glu
370 375 380

Met Phe Gly Asp Gln Asn Asp Asp Thr Leu His Trp Lys Lys Tyr Asp
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| gcc | ggc | ggc | ggg | ggc | ggg | ggc | ggg | ggc | gcg | cct | acg | gaa | act | cag | cca | 156 |
| Ala | Gly | Gly | Gly | Gly | Gly | Gly | Gly | Gly | Ala | Pro | Thr | Glu | Thr | Gln | Pro | |
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| cct | gtg | aca | aat | ttg | agt | gtc | tct | gtt | gaa | aac | ctc | tgc | aca | gta | ata | 204 |
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| Trp | Thr | Trp | Asn | Pro | Pro | Glu | Gly | Ala | Ser | Ser | Asn | Cys | Ser | Leu | Trp | |
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| Tyr | Phe | Ser | His | Phe | Gly | Asp | Lys | Gln | Asp | Lys | Lys | Ile | Ala | Pro | Glu | |
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| act | cgt | cgt | tca | ata | gaa | gta | ccc | ctg | aat | gag | agg | att | tgt | ctg | caa | 348 |
| Thr | Arg | Arg | Ser | Ile | Glu | Val | Pro | Leu | Asn | Glu | Arg | Ile | Cys | Leu | Gln | |
| | | | | 85 | | | | | 90 | | | | 95 | | | |
| gtg | ggg | tcc | cag | tgt | agc | acc | aat | gag | agt | gag | aag | cct | agc | att | ttg | 396 |
| Val | Gly | Ser | Gln | Cys | Ser | Thr | Asn | Glu | Ser | Glu | Lys | Pro | Ser | Ile | Leu | |
| | | | 100 | | | | | 105 | | | | | 110 | | | |
| gtt | gaa | aaa | tgc | atc | tca | ccc | cca | gaa | ggg | gat | cct | gag | tct | gct | gtg | 444 |
| Val | Glu | Lys | Cys | Ile | Ser | Pro | Pro | Glu | Gly | Asp | Pro | Glu | Ser | Ala | Val | |
| | | 115 | | | | | 120 | | | | | 125 | | | | |
| act | gaa | ctt | caa | tgc | att | tgg | cac | aac | ctg | agc | tac | atg | aag | tgt | tct | 492 |
| Thr | Glu | Leu | Gln | Cys | Ile | Trp | His | Asn | Leu | Ser | Tyr | Met | Lys | Cys | Ser | |
| | 130 | | | | | 135 | | | | | 140 | | | | | |
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| Trp | Leu | Pro | Gly | Arg | Asn | Thr | Ser | Pro | Asp | Thr | Asn | Tyr | Thr | Leu | Tyr | |
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| tat | tgg | cac | aga | agc | ctg | gaa | aaa | att | cat | caa | tgt | gaa | aac | atc | ttt | 588 |
| Tyr | Trp | His | Arg | Ser | Leu | Glu | Lys | Ile | His | Gln | Cys | Glu | Asn | Ile | Phe | |
| | | | | 165 | | | | 170 | | | | | | 175 | | |
| aga | gaa | ggc | caa | tac | ttt | ggg | tgt | tcc | ttt | gat | ctg | acc | aaa | gtg | aag | 636 |
| Arg | Glu | Gly | Gln | Tyr | Phe | Gly | Cys | Ser | Phe | Asp | Leu | Thr | Lys | Val | Lys | |
| | | | 180 | | | | | 185 | | | | | 190 | | | |
| gat | tcc | agt | ttt | gaa | caa | cac | agt | gtc | caa | ata | atg | gtc | aag | gat | aat | 684 |
| Asp | Ser | Ser | Phe | Glu | Gln | His | Ser | Val | Gln | Ile | Met | Val | Lys | Asp | Asn | |
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B8
CMT

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| gac cta tat gtg caa tgg gag aat cca cag aat ttt att agc aga tgc Asp Leu Tyr Val Gln Trp Glu Asn Pro Gln Asn Phe Ile Ser Arg Cys 245 250 255 | 828 |
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| gtt ttc tac gtc caa gag gct aaa tgt gag aat cca gaa ttt gag aga Val Phe Tyr Val Gln Glu Ala Lys Cys Glu Asn Pro Glu Phe Glu Arg 275 280 285 | 924 |
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| act ttg aac aca gtc aga ata aga gtc aaa aca aat aag tta tgc tat Thr Leu Asn Thr Val Arg Ile Arg Val Lys Thr Asn Lys Leu Cys Tyr 305 310 315 320 | 1020 |
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| ctc aag att att ata ttc cct cca att cct gat cct ggc aag att ttt Leu Lys Ile Ile Ile Phe Pro Pro Ile Pro Asp Pro Gly Lys Ile Phe 370 375 380 | 1212 |
| aaa gaa atg ttt gga gac cag aat gat gat act ctg cac tgg aag aag Lys Glu Met Phe Gly Asp Gln Asn Asp Asp Thr Leu His Trp Lys Lys 385 390 395 400 | 1260 |
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Tyr Phe Ser His Phe Gly Asp Lys Gln Asp Lys Lys Ile Ala Pro Glu
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Thr Arg Arg Ser Ile Glu Val Pro Leu Asn Glu Arg Ile Cys Leu Gln
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Val Gly Ser Gln Cys Ser Thr Asn Glu Ser Glu Lys Pro Ser Ile Leu
100 105 110

Val Glu Lys Cys Ile Ser Pro Pro Glu Gly Asp Pro Glu Ser Ala Val
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Thr Glu Leu Gln Cys Ile Trp His Asn Leu Ser Tyr Met Lys Cys Ser
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Trp Leu Pro Gly Arg Asn Thr Ser Pro Asp Thr Asn Tyr Thr Leu Tyr
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Tyr Trp His Arg Ser Leu Glu Lys Ile His Gln Cys Glu Asn Ile Phe
165 170 175

Arg Glu Gly Gln Tyr Phe Gly Cys Ser Phe Asp Leu Thr Lys Val Lys
180 185 190

88
Cont

Asp Ser Ser Phe Glu Gln His Ser Val Gln Ile Met Val Lys Asp Asn
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Ala Gly Lys Ile Lys Pro Ser Phe Asn Ile Val Pro Leu Thr Ser Arg
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Val Lys Pro Asp Pro Pro His Ile Lys Asn Leu Ser Phe His Asn Asp
225 230 235 240

Asp Leu Tyr Val Gln Trp Glu Asn Pro Gln Asn Phe Ile Ser Arg Cys
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Asn Val Glu Asn Thr Ser Cys Phe Met Val Pro Gly Val Leu Pro Asp
290 295 300

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Glu Asp Asp Lys Leu Trp Ser Asn Trp Ser Gln Glu Met Ser Ile Gly
325 330 335

Lys Lys Arg Asn Ser Thr Leu Tyr Ile Thr Met Leu Leu Ile Val Pro
340 345 350

Val Ile Val Ala Gly Ala Ile Ile Val Leu Leu Leu Tyr Leu Lys Arg
355 360 365

Leu Lys Ile Ile Ile Phe Pro Pro Ile Pro Asp Pro Gly Lys Ile Phe
370 375 380

Lys Glu Met Phe Gly Asp Gln Asn Asp Asp Thr Leu His Trp Lys Lys
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